

Recombinant Human OSGIN1, His-tagged

Cat. No. OSGIN1-911H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human OSGIN1 encoding the human mature OSGIN1 (Met ¹ -Pro ⁵⁶⁰) with 6 His tag on the N-Terminus was expressed in <i>E. Coli</i> . This protein was purified by Ni-NTA column. MW=63KD.
Species	Human
Source	E.coli
ProteinLength	1-560 a.a.
Sequence	Human mature OSGIN1 (Met ¹ -Pro ⁵⁶⁰).MGKWRLRGCC RGNMQCRQEV PATLTSSE LF STRTQPQPQP QPLLADAPVP WAVASRLCVT PGQGCGHQGQ DEG PLPAPSP PPAMSSSRKD HLGASSSEPL PVIIVGNGPS GICLSYLLSG YTPYTKPDAI HPHPLL QRKL TEAPGVSILD QDL DYLSEGL EGRSQSPVAL LFDALLRPDT DFGGNMKS VL TWKHRKEHAI PHVVLGRNLP GGAWHSIEGS MVILSQGQWM GLPDLEV KDW MQ KKRRGLRN SRATAGDIAH YYRDYVVKKG LGHNFVSGAV VTAVEWGTPD PSSCG AQDSS PLFQVSGFLT RNQAQQPFSL WARNVVLATG TFDSPARLGI PGEALPFIHH ELSALEAATR VGAVTPASDP VLIIGAGLSA ADAVLYARHY NIPVIHAFRR AVDDPG LVFN QLPKMLYPEY HKVHQMMREQ SILSPSPYEG YRSLPRHQLL CFKEDCQAVF QDLEGVEKVF GVSLVLVLIG SHPDLSFLPG AGADFAVDPD QPLSAKRNP I DVDPF TYQST RQEGLYAMGP LAGDNFVRFV QGGALAVASS LLRKETR KPP.
Purity	>95% in SDS gel.
Formulation	Lyophilized 100

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	µg human mature OSGIN1 in 50 µl of TBS (20 mM Tris, 50mM NaCl, pH8.0). Carry free.
Reconstitution	Add 500µl deionized water to the vial to prepare a working stock solution at 200 µg/mL. Allow to set at least 30 minutes at 4°C, mix well.
Application	Cell biology, ELISA.
Storage	Store lyophilized protein at -20°C to -70°C. Lyophilized protein is stable for up to 6 months from date of receipt at - 20°C to -70°C. Upon reconstitution, this protein can be stored at -20°C for up to a few weeks or at -70°C in a manual defrost freezer for long term storage (six months). Aliquot reconstituted protein to avoid repeated freeze / thaw cycles.

GENE INFORMATION

Gene Name	OSGIN1 oxidative stress induced growth inhibitor 1 [Homo sapiens]
Synonyms	OSGIN1; oxidative stress induced growth inhibitor 1; BDGI; OKL38; bone marrow stromal cell-derived growth inhibitor; pregnancy induced growth inhibitor; Oxidative stress-induced growth inhibitor 1; Pregnancy-induced growth inhibitor;Ovary, kidney and liver protein 38; huOKL38; OTTHUMP00000174993; OTTHUMP00000174992; pregnancy-induced growth inhibitor
Gene ID	29948
mRNA Refseq	NM_013370
Protein Refseq	NP_037502

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MIM	607975
UniProt ID	Q9UJX0
Chromosome Location	16q23.3
Function	growth factor activity

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